



CONTENTS OF VOLUME 157

Vol. 157A, No. 1

Review

N.C. Wegner and J.B. Graham

- 1 George Hughes and the history of fish ventilation: From Du Verney to the present

General papers

C.-K. Kang, H.-J. Tsai, C.-C. Liu, T.-H. Lee and P.-P. Hwang

- 7 Salinity-dependent expression of a Na^+ , K^+ , 2Cl^- cotransporter in gills of the brackish medaka *Oryzias dancena*: A molecular correlate for hyposmoregulatory endurance

T.C. Nelson, K.D. Groth and P.R. Sotherland

- 19 Maternal investment and nutrient use affect phenotype of American alligator and domestic chicken hatchlings

M.J. Schuurman and E. Villamor

- 28 Endothelium-dependent contraction induced by acetylcholine in the chicken ductus arteriosus involves cyclooxygenase-1 activation and TP receptor stimulation

P. Sabat, N. Ramirez-Otarola, G. Barceló, J. Salinas and F. Bozinovic

- 35 Comparative basal metabolic rate among passerines and the food habit hypothesis

H. Amano, M. Mochizuki, T. Fujita, N. Hiramatsu, T. Todo and A. Hara

- 41 Purification and characterization of a novel incomplete-type vitellogenin protein (VgC) in Sakhalin taimen (*Hucho perryi*)

M. Vazzana, A. Vizzini, M.A. Sanfratello, M. Celi, G. Salerno and N. Parrinello

- 49 Differential expression of two glucocorticoid receptors in seabass (teleost fish) head kidney after exogenous cortisol inoculation

K.E. Smith, S.L. Raymond, M.L. Valenti, P.J.S. Smith and P.J. Linser

- 55 Physiological and pharmacological characterizations of the larval *Anopheles albimanus* rectum support a change in protein distribution and/or function in varying salinities

T. Tachibana, K. Matsuda, Md.S.I. Khan, H. Ueda and M.A. Cline

- 63 Feeding and drinking response following central administration of neuromedin S in chicks

H. Matsumoto, S. Sasazaki, A. Fujiwara, N. Ichihara, T. Kikuchi and H. Mannen

- 68 Accumulation of caveolin-3 protein is limited in damaged muscle in chicken muscular dystrophy

L. Warnecke, C.E. Cooper, F. Geiser and P.C. Withers

- 73 Environmental physiology of a small marsupial inhabiting arid floodplains

K. Raghuveer and B. Senthilkumaran

- 79 Cloning and differential expression pattern of *vasa* in the developing and recrudescing gonads of catfish, *Clarias gariepinus*

R.N. Pandey, S. Yaganti, S. Coffey, J. Frisbie, K. Alnajjar and D. Goldstein

- 86 Expression and immunolocalization of aquaporins HC-1, -2, and -3 in Cope's gray treefrog, *Hyla chrysoscelis*

M. Clauss, S. Lang-Deuerling, D.W.H. Müller, E. Kienzle, P. Steuer and J. Hummel

- 95 Retention of fluid and particles in captive tapirs (*Tapirus* sp.)

A. Jørgensen, J.E. Nielsen, B.F. Nielsen, J.E. Morthorst, P. Bjerregaard and H. Leffers

- 102 Expression of prostaglandin synthases (*pgds* and *pges*) during zebrafish gonadal differentiation

Corrigendum

E.J. Glanville and F. Seebacher

- 109 Corrigendum to "Plasticity in body temperature and metabolic capacity sustains winter activity in a small endotherm (*Rattus fuscipes*)" [Comparative Biochemistry and Physiology, Part A 155 (2010) 383–391]

Vol. 157A, No. 2

Review

S. Currie and S.L. Edwards

- 111 The curious case of the chemical composition of hagfish tissues—50 years on

General papers

N.M. Whiteley, J.L. Magnay, S.J. McCleary,
S.K. Nia, A.J. El Haj and J. Rock

- 116 Characterisation of myosin heavy chain gene variants in the fast and slow muscle fibres of gammarid amphipods

D.-H. Wang and W.-X. Yang

- 123 Molecular cloning and characterization of KIFC1-like kinesin gene (*es-KIFC1*) in the testis of the Chinese mitten crab *Eriocheir sinensis*

S. Katayama, K. Hamasu, K. Shigemi, M.A. Cline
and M. Furuse

- 132 Intracerebroventricular injection of orexin-A, but not orexin-B, induces arousal of layer-type neonatal chicks

S. Maciak and M. Konarzewski

- 136 Repeatability of standard metabolic rate (SMR) in a small fish, the spined loach (*Cobitis taenia*)

A.O.P. Protzek, A. Rafacho, B.A. Viscelli,
J.R. Bosqueiro, A.P. Cappelli, F.M.M. Paula,
A.C. Boschero and E.C. Pinheiro

- 142 Insulin and glucose sensitivity, insulin secretion and β -cell distribution in endocrine pancreas of the fruit bat *Artibeus lituratus*

L. Vergauwen, D. Benoot, R. Blust and
D. Knapen

- 149 Long-term warm or cold acclimation elicits a specific transcriptional response and affects energy metabolism in zebrafish

T. Ostaszewska, K. Dabrowski,
M. Kamaszewski, P. Grochowski,
T. Verri, M. Rzepkowska and J. Wolnicki

- 158 The effect of plant protein-based diet supplemented with dipeptide or free amino acids on digestive tract morphology and *PepT1* and *PepT2* expressions in common carp (*Cyprinus carpio* L.)

P. Li, J. Zha, Y. Kong, C. Chen, H. Sun, D. Song
and K. Zhou

- 170 Identification, mRNA expression and characterization of proliferating cell nuclear antigen gene from Chinese mitten crab *Eriocheir japonica sinensis*

D. Waagner, L.-H. Heckmann, A. Malmendal,
N.Chr. Nielsen, M. Holmstrup and M. Bayley

- 177 *Hsp70* expression and metabolite composition in response to short-term thermal changes in *Folsomia candida* (Collembola)

A.A. Scappaticci Jr., F. Kahn and
G. Kass-Simon

- 184 Nematocyst discharge in *Hydra vulgaris*: Differential responses of desmonemes and stenoteles to mechanical and chemical stimulation

Vol. 157A, No. 3

Review

K.M. Gilmour

- 193 Perspectives on carbonic anhydrase

General papers

R.K. Selvaraj, R. Shanmugasundaram and
K.C. Klasing

- 198 Effects of dietary lutein and PUFA on PPAR and RXR isomer expression in chickens during an inflammatory response

Y.-G. Li, Z.-C. Yan and D.-H. Wang

- 204 Physiological and biochemical basis of basal metabolic rates in Brandt's voles (*Lasiopodomys brandtii*) and Mongolian gerbils (*Meriones unguiculatus*)

W. Zhang, Z.-D. Cao, J.-L. Peng, B.-J. Chen
and S.-J. Fu

- 212 The effects of dissolved oxygen level on the metabolic interaction between digestion and locomotion in juvenile southern catfish (*Silurus meridionalis* Chen)

C. Bodinier, E. Sucré, L. Lecurieux-Belfond,
E. Blondeau-Bidet and G. Charmantier

- 220 Ontogeny of osmoregulation and salinity tolerance in the gilthead sea bream *Sparus aurata*

- K.D. Salway, G.J. Tattersall and J.A. Stuart
 W. Wang, R. Dang, J.-Q. Zhu and W.-X. Yang
 F. Yue, L. Pan, P. Xie, D. Zheng and J. Li
 Ø. Sæle, A. Nordgreen, P.A. Olsvik and K. Hamre
 B.D. Kammerer, J.J. Cech Jr. and D. Kültz
 M.A.K. Azad, M. Kikusato, S. Sudo, T. Amo and M. Toyomizu
 L.Y. Leung and N.Y.S. Woo
 E. Uliano, M. Cataldi, F. Carella, O. Migliaccio, D. Iaccarino and C. Agnisola
 A. Mata
- 229 Rapid upregulation of heart antioxidant enzymes during arousal from estivation in the Giant African snail (*Achatina fulica*)
 237 Identification and dynamic transcription of KIF3A homologue gene in spermiogenesis of *Octopus tankahkei*
 246 Immune responses and expression of immune-related genes in swimming crab *Portunus trituberculatus* exposed to elevated ambient ammonia-N stress
 252 Characterization and expression of digestive neutral lipases during ontogeny of Atlantic cod (*Gadus morhua*)
 260 Rapid changes in plasma cortisol, osmolality, and respiration in response to salinity stress in tilapia (*Oreochromis mossambicus*)
 266 Time course of ROS production in skeletal muscle mitochondria from chronic heat-exposed broiler chicken
 272 Effects of growth hormone, insulin-like growth factor I, triiodothyronine, thyroxine, and cortisol on gene expression of carbohydrate metabolic enzymes in sea bream hepatocytes
 283 Effects of acute changes in salinity and temperature on routine metabolism and nitrogen excretion in gambusia (*Gambusia affinis*) and zebrafish (*Danio rerio*)
 291 Metabolic rate and specific dynamic action of the Red-legged Honeycreeper, a nectar-feeding Neotropical passerine

Vol. 157A, No. 4

Review

E.R. Price

- 297 Dietary lipid composition and avian migratory flight performance: Development of a theoretical framework for avian fat storage

General papers

M.J. Benner, R.E. Drew, R.W. Hardy and B.D. Robison

T.J. Pirtle, K. Willingham and R.A. Satterlie

K.S. MacLea, J.A. Covi, H.-W. Kim, E. Chao, S. Medler, E.S. Chang and D.L. Mykles

C. Barriga-Montoya, F. Gómez-Lagunas and B. Fuentes-Pardo

P. Enes, J. Sanchez-Gurmaches, I. Navarro, J. Gutiérrez and A. Oliva-Teles

P. Galeotti, D. Pellitteri-Rosa, R. Sacchi, A. Gentili, F. Pupin, D. Rubolini and M. Fasola

A.-K. Blaesle, G. Broehan, H. Meyer, H. Merzendorfer and D. Weihrauch

W.E. Johnson, S.D. Hillyard and C.R. Propper

T.-C.F. Pan and W.W. Burggren

- 310 Zebrafish (*Danio rerio*) vary by strain and sex in their behavioral and transcriptional responses to selenium supplementation
 319 A hyperpolarization-activated inward current alters swim frequency of the pteropod mollusk *Clione limacina*
 328 Myostatin from the American lobster, *Homarus americanus*: Cloning and effects of molting on expression in skeletal muscles
 338 Effect of pigment dispersing hormone on the electrical activity of crayfish visual photoreceptors during the 24-h cycle
 346 Role of insulin and IGF-I on the regulation of glucose metabolism in European sea bass (*Dicentrarchus labrax*) fed with different dietary carbohydrate levels
 354 Sex-, morph- and size-specific susceptibility to stress measured by haematological variables in captive common wall lizard *Podarcis muralis*
 364 Ammonia uptake in *Manduca sexta* midgut is mediated by an amiloride sensitive cation/proton exchanger: Transport studies and mRNA expression analysis of NHE7, 9, NHE8, and V-ATPase (subunit D)
 377 Plasma and brain angiotensin concentrations associated with water response behavior in the desert anuran, *Scaphiopus couchii* under natural conditions in the field
 382 Onset and early development of hypoxic ventilatory responses and branchial neuroepithelial cells in *Xenopus laevis*

Contents of volume

- X. Yu, X. Zhang, Y. Duan, P. Zhang and Z. Miao 392 Effects of temperature, salinity, body length, and starvation on the critical swimming speed of whiteleg shrimp, *Litopenaeus vannamei*
- N.D. Bond, D.K. Hoshizaki and A.G. Gibbs 398 The role of 20-hydroxyecdysone signaling in *Drosophila* pupal metabolism
- M.H. Braun and S.F. Perry 405 Ammonia and urea excretion in the Pacific hagfish *Eptatretus stoutii*: Evidence for the involvement of Rh and UT proteins

Erratum

- J.P. Mortola and K. Al Awam 416 Erratum to "Growth of the chicken embryo: Implications of egg size" [Comparative Biochemistry and Physiology, Part A 156 (2010) 373–379]

- I Contents of Volume 157
- V Subject Index
- VII Author Index

SUBJECT INDEX

Vol. 157A, Nos. 1-4

9, 364

Acid secretion, 193
Acute stress, 283
Albumen, 19
Alligator mississippiensis, 19
Amiloride, 364
Amino acid, 177
Amino acid sequence, 328
Amino acids, 111
Ammonia, 283, 405
Ammonia-N, 246
Ammonia transport, 364
Amphibian, 86, 377
Amphipoda, 116
Angiotensin, 377
Anti-lipopolysaccharide factor, 246
Anura, 377
Aquaporin, 86
Arid zone, 73
Arousal, 132
Arthropoda, 328
Artibeus lituratus, 142

Basal metabolic rate, 35, 204
Behavior, 310
Bile activated lipase, 252
Biomechanics, 1
Birds, 35, 297
Blood parameters, 354
Body length, 392
Body size, 35, 354
Brandt's voles (*Lasiodromys brandtii*), 204
Broiler, 132

Captivity, 354
Carbohydrate, 346
Carbohydrate metabolic enzymes, 272
Carbon dioxide production, 291
Carbonic anhydrase, 193
Carbonic anhydrase isoforms, 193
Carboxylic ester hydrolase, 252
Caveolae, 68
Caveolin-3, 68
cDNA cloning, 328
Central pattern generator, 319
Characterization, 170
Chemoreception, 184
Chicken, 28, 68
Chicks, 63
Chronic heat stress, 266
Circadian rhythm, 338
Citrate synthase activity, 204

Clione limacina, 319
Cnidaria, 184
Cnidocytes, 184
CO₂ excretion, 193
Colipase, 252
Collembola, 177
Colour polymorphism, 354
Common carp, 158
Condition factor, 149
Control of breathing, 382
Cortisol, 49, 260, 272
Crayfish, 338
Critical swimming speed, 392
Critical weight, 398
Crustacea, 328
Crustin, 246
CuZnSOD, 229
Cyanerpes cyaneus, 291
Cytochrome c oxidase activity, 204

Danio rerio, 102
DAR, 55
Dasyurid, 73
Development, 19, 382
Dicentrarchus labrax, 49
Diet, 35
Digestion, 95, 212
Digestive physiology, 95
Digestive tract histology, 158
Dissolved oxygen, 212
DNA sequence, 328
Drinking, 63
Ductus arteriosus, 28

Ecdysteroid, 328
EDCF, 28
Elasmobranch, 1
Embryonic growth, 19
Endothelium, 28
Endothermy, 35
Energy stores, 149
Eriocheir japonica sinensis, 170
Eriocheir sinensis, 123
es-KIFC1, 123
Estivation, 229
European sea bass, 346
Euryhaline teleost, 7
Excretion, 283
Exercise, 297
Eyestalk ablation, 328

Fat, 198
Fat body, 398

Fatty acids, 297
Feeding, 63
Fibre type, 116
Fish, 136, 405
Fish ventilation, 1
Fruit bat, 142

Gallus gallus, 19
Gambusia, 283
Gametogenesis, 79
Gammarus, 116
Gastrin/CCK, 158
Gene expression, 246, 310, 328
Gene expression *PepT1*, 158
Genotype by environment interaction, 310
George Hughes, 1
Gill, 7, 405
Gill morphometrics, 1
Glucocorticoid receptor, 49
Glucose metabolism, 346
Glutathione peroxidase, 229
Glutathione reductase, 229
Glyceroporin, 86
Glycosylation, 86
Gonadal differentiation, 102
Growth hormone, 272

Hagfish, 111
hCG induction, 79
HCO₃ reabsorption, 193
Heat tolerance, 177
Homeostasis, 177
Hormones, 346
20-Hydroxyecdysone, 398
4-Hydroxynonenal, 229
Hyla, 86
Hyperpolarization-activated inward current, 319
Hypothalamus, 377
Hypoxia, 382

IGF-I, 346
IL-1 β , 198
Immune response, 246
In situ hybridisation, 102
Insulin, 346
Insulin action, 142
Insulin and glucose sensitivity, 142
Insulin signaling, 398
Insulin-like growth factor I, 272
Interneurons, 319
Intracerebroventricular injection, 63
Ion regulation, 55

Subject Index

Islets and β -cell distribution, 142
ISMs, 55
Isorhizas, 184

kif3a, 237
Kinesin, 123
Kinesin-II, 237

Laser capture microdissection, 102
Layer, 132
Leukocyte counts, 354
Light-elicited current, 338
Litopenaeus vannamei, 392
Lutein, 198
Lysozyme, 246

α_2 -Macroglobulin, 246
Manduca sexta, 364
Marsupial, 73
Maternal investment, 19
Mechanoreception, 184
Medaka, 7
Membrane potential, 266
Metabolic capacity, 212
Metabolic rate, 73
Metabolic strategy, 212
Metabolism, 136
Metabolome, 177
Metamorphosis, 398
Microarrays, 149
Migration, 297
Mitochondria, 266
MnSOD, 229
Molting, 328
Mongolian gerbils (*Meriones unguiculatus*), 204
Morphs, 354
Mosquito, 55
mRNA, 328
mRNA expression, 170
Mucin, 184
Multiple vitellogenin, 41
Muscle, 116
Muscular dystrophy, 68
Myofibrillar ATPase, 116
Myosin heavy chain, 116
Myostatin, 328

Na^+ , K^+ , 2Cl^- cotransporter, 7
Nectar-feeding, 291
Neonatal chicks, 132
Neuroepithelial cell, 382
Neuromedin S, 63
NHE7, 364
NHE8, 364
Nitrogen excretion, 405

Nitrotyrosine, 229
Nutrient sensing, 398

Octopus, 237
Ontogeny, 220
Orexin, 132
Oryzias, 7
Osmoconformer, 111
Osmolytes, 111
Osmoregulation, 7, 220
Ovary, 79
Oxidative stress resistance, 229
Oxygen consumption, 266, 291
Oxygen-consumption rate (MO₂), 260

Pancreatic lipase, 252
Pancreatic lipase-related protein, 252
Passage, 95
PCNA, 158
PCNA gene, 170
PepT2, 158
Peroxisome proliferator, 297
pgds, 102
pges, 102
Phospholipids, 297
Phylogeny, 35
Physiological adaptation, 73
Pigment dispersing hormone, 338
Plasma osmolytes, 260
Portunus trituberculatus, 246
Postinhibitory rebound, 319
PPAR, 198
Propagation of uncertainties, 136
Protein carbonyls, 229
Purification, 41

Quantification, 41

Ram ventilation, 1
Rapid heat hardening, 177
Real-time PCR, 49
Red blood cell, 193
Red blood cells, 111
Repeatability, 136
Respiration, 1
Respiratory quotient, 291
Rh protein, 405
ROS, 229, 266
RT-PCR, 102
RXR, 198

Sakhalin taimen, 41
Salinity, 283, 392

Salinity stress, 260
Salinity tolerance, 7, 220
SDH, 116
Selective mobilization, 297
Selenium, 310
Selenoproteins, 310
Self-referencing, 55
Serotonin-induced, 319
Silurus meridionalis Chen, 212
Skeletal muscle, 328
Sparus aurata, 220
Specific dynamic action, 291
Spermiogenesis, 123, 237
Starvation, 392
Stress, 354
Swimming performance, 212

Tapirus indicus, 95
Tapirus terrestris, 95
Teleost, 1
Teleosts, 220
Temperature, 149, 283, 392
Temperature acclimation, 177
Testis, 79
Thirst, 377
Thyroid hormone, 204
Thyroxine, 272
Tilapia, 260
Tissue distribution, 328
TMAO, 111
Torpor, 73
Transcriptomics, 149
Treefrog, 86
Triiodothyronine, 272

Urea, 283, 405
Ussing chamber, 364

vasa, 79, 102
V-ATPase, 364
Ventilation, 73, 382
Visual photoreceptors, 338

Water loss, 73
Whiteleg shrimp, 392

Xenopus laevis, 382

Zebrafish, 149, 283, 310

AUTHOR INDEX

Vol. 157A, Nos. 1-4

- Agnisola, C., 283
 Al Awam, K., 416
 Alnajjar, K., 86
 Amano, H., 41
 Amo, T., 266
 Azad, M.A.K., 266
- Barceló, G., 35
 Barriga-Montoya, C., 338
 Bayley, M., 177
 Benner, M.J., 310
 Benoot, D., 149
 Bjerregaard, P., 102
 Blaesse, A.-K., 364
 Blondeau-Bidet, E., 220
 Blust, R., 149
 Bodinier, C., 220
 Bond, N.D., 398
 Boschero, A.C., 142
 Bosqueiro, J.R., 142
 Bozinovic, F., 35
 Braun, M.H., 405
 Broehan, G., 364
 Burggren, W.W., 382
- Cao, Z.-D., 212
 Cappelli, A.P., 142
 Carella, F., 283
 Cataldi, M., 283
 Cech Jr., J.J., 260
 Celi, M., 49
 Chang, E.S., 328
 Chao, E., 328
 Charmantier, G., 220
 Chen, B.-J., 212
 Chen, C., 170
 Clauss, M., 95
 Cline, M.A., 63, 132
 Coffey, S., 86
 Cooper, C.E., 73
 Covi, J.A., 328
 Currie, S., 111
- Dabrowski, K., 158
 Dang, R., 237
 Drew, R.E., 310
 Duan, Y., 392
- Edwards, S.L., 111
 El Haj, A.J., 116
 Enes, P., 346
- Fasola, M., 354
 Frisbie, J., 86
 Fu, S.-J., 212
- Fuentes-Pardo, B., 338
 Fujita, T., 41
 Fujiwara, A., 68
 Furuse, M., 132
- Galeotti, P., 354
 Geiser, F., 73
 Gentili, A., 354
 Gibbs, A.G., 398
 Gilmour, K.M., 193
 Glanville, E.J., 109
 Goldstein, D., 86
 Gómez-Lagunas, F., 338
 Graham, J.B., 1
 Grochowski, P., 158
 Groth, K.D., 19
 Gutiérrez, J., 346
- Hamasu, K., 132
 Hamre, K., 252
 Hara, A., 41
 Hardy, R.W., 310
 Heckmann, L.-H., 177
 Hillyard, S.D., 377
 Hiramatsu, N., 41
 Holmstrup, M., 177
 Hoshizaki, D.K., 398
 Hummel, J., 95
 Hwang, P.-P., 7
- Iaccarino, D., 283
 Ichihara, N., 68
- Johnson, W.E., 377
 Jørgensen, A., 102
- Kahn, F., 184
 Kamaszewski, M., 158
 Kammerer, B.D., 260
 Kang, C.-K., 7
 Kass-Simon, G., 184
 Katayama, S., 132
 Khan, Md.S.I., 63
 Kienzle, E., 95
 Kikuchi, T., 68
 Kikusato, M., 266
 Kim, H.-W., 328
 Klasing, K.C., 198
 Knapen, D., 149
 Konarzewski, M., 136
 Kong, Y., 170
 Kültz, D., 260
- Lang-Deuerling, S., 95
 Lecurieux-Belfond, L., 220
- Lee, T.-H., 7
 Leffers, H., 102
 Leung, L.Y., 272
 Li, J., 246
 Li, P., 170
 Li, Y.-G., 204
 Linser, P.J., 55
 Liu, C.-C., 7
- Maciak, S., 136
 MacLea, K.S., 328
 Magnay, J.L., 116
 Malmendal, A., 177
 Mannen, H., 68
 Mata, A., 291
 Matsuda, K., 63
 Matsumoto, H., 68
 McCleary, S.J., 116
 Medler, S., 328
 Merzendorfer, H., 364
 Meyer, H., 364
 Miao, Z., 392
 Migliaccio, O., 283
 Mochizuki, M., 41
 Morthorst, J.E., 102
 Mortola, J.P., 416
 Müller, D.W.H., 95
 Mykles, D.L., 328
- Navarro, I., 346
 Nelson, T.C., 19
 Nia, S.K., 116
 Nielsen, B.F., 102
 Nielsen, J.E., 102
 Nielsen, N.Chr., 177
 Nordgreen, A., 252
- Oliva-Teles, A., 346
 Olsvik, P.A., 252
 Ostaszewska, T., 158
- Pan, L., 246
 Pan, T.-C.F., 382
 Pandey, R.N., 86
 Parrinello, N., 49
 Paula, F.M.M., 142
 Pellitteri-Rosa, D., 354
 Peng, J.-L., 212
 Perry, S.F., 405
 Pinheiro, E.C., 142
 Pirtle, T.J., 319
 Price, E.R., 297
 Propper, C.R., 377
 Protzek, A.O.P., 142
 Pupin, F., 354

Author Index

Rafacho, A., 142
 Raghuveer, K., 79
 Ramirez-Otarola, N., 35
 Raymond, S.L., 55
 Robison, B.D., 310
 Rock, J., 116
 Rubolini, D., 354
 Rzepkowska, M., 158

Sabat, P., 35
 Sacchi, R., 354
 Salerno, G., 49
 Salinas, J., 35
 Salway, K.D., 229
 Sanchez-Gurmaches, J., 346
 Sanfratello, M.A., 49
 Sasazaki, S., 68
 Satterlie, R.A., 319
 Scappaticci Jr., A.A., 184
 Schuurman, M.J., 28
 Seebacher, F., 109
 Selvaraj, R.K., 198
 Senthilkumaran, B., 79
 Shanmugasundaram, R., 198
 Shigemi, K., 132
 Sæle, Ø., 252
 Smith, K.E., 55
 Smith, P.J.S., 55

Song, D., 170
 Sotherland, P.R., 19
 Steuer, P., 95
 Stuart, J.A., 229
 Sucré, E., 220
 Sudo, S., 266
 Sun, H., 170

Tachibana, T., 63
 Tattersall, G.J., 229
 Todo, T., 41
 Toyomizu, M., 266
 Tsai, H.-J., 7

Ueda, H., 63
 Uliano, E., 283

Valenti, M.L., 55
 Vazzana, M., 49
 Vergauwen, L., 149
 Verri, T., 158
 Villamor, E., 28
 Viscelli, B.A., 142
 Vizzini, A., 49

Waagner, D., 177
 Wang, D.-H., 123, 204
 Wang, W., 237

Warnecke, L., 73
 Wegner, N.C., 1
 Weihrauch, D., 364
 Whiteley, N.M., 116
 Willingham, K., 319
 Withers, P.C., 73
 Wolnicki, J., 158
 Woo, N.Y.S., 272

Xie, P., 246

Yaganti, S., 86
 Yan, Z.-C., 204
 Yang, W.-X., 123, 237
 Yu, X., 392
 Yue, F., 246

Zha, J., 170
 Zhang, P., 392
 Zhang, W., 212
 Zhang, X., 392
 Zheng, D., 246
 Zhou, K., 170
 Zhu, J.-Q., 237

